USB2.0

PhotoBank

User's Manual

Transcend

*Your Supplier, Your Partner,
Your Friend.*

Table of Contents

Introduction

Thank you for purchasing Transcend's **PhotoBank**, a small device designed for fast and easy data storage. It supports multi types of storage media: CompactFlash™, Microdrive™, SmartMedia™, Secure Digital, miniSD (with adapter), MultiMediaCard™, RS-MMC (with adapter), Memory Stick® / Memory Stick PRO®, Memory Stick Duo® (with adapter), Memory Stick PRO Duo® (with adapter) and also features a built-in 1.8" Hard Disk (20GB or 40GB). Your transcend **PhotoBank** is an easy-to-install device that needs only a USB interface to use on any PC, Mac, or notebook computer. In addition, its mobility, strong data retention ability, and impressive appearance will provide you with a brand-new experience.

Package Contents

- **PhotoBank** (TS20GPB/ TS40GPB)
- Leather Case
- Driver CD
- USB Cable
- Multi-regional AC Adapter
- Quick Installation Guide

Features

- Fully compatible with USB 2.0 and backwards compatible with USB 1.1
- High transfer rate: Up to 480Mbps
- Stand-alone storage device. Desktop/Laptop not required
- Supports CF Type I, CF Type II including MicroDrive, SM, SD, miniSD (with adapter), MMC, RS-MMC (with adapter), MS, MS Pro, MS Duo (with adapter), MS PRO Duo (with adapter)
- Black and White LCD displays status with blue backlight
- Easy file transfer and storage of data.
- Become external HDD and USB card reader/writer when connected to a computer
- Auto shutdown (idle 10 mins) in stand-alone mode
- Li-Ion rechargeable battery lasts approximately 3 hours on a full charge

System Requirements

Desktop or notebook computer with USB port and one of the following operating systems:
- Windows® 98/98SE(Driver needed)
- Windows® 2000
- Windows® Me
- Windows® XP
- Mac™ OS 10.1 or later

Product Overview
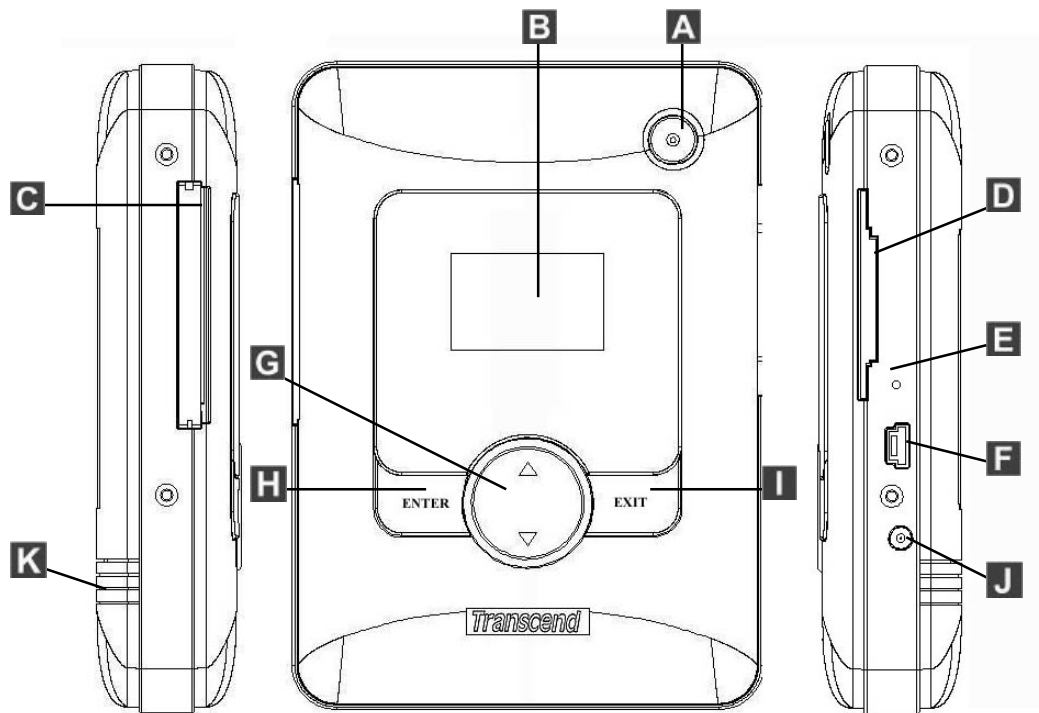
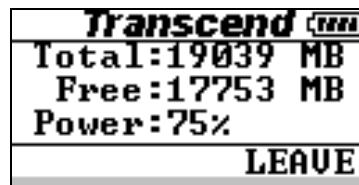|	
A	Power Button
B	LCD Screen
C	CF Type I/II Slot
D	SM/ MMC/ SD /MS Card Slot
E	Reset Button
F	USB Connector
G	Select Button
H	Enter Button
I	Exit Button
J	Power DC Jack
K	Battery Cover

Using the PhotoBank in Stand-Alone Mode

System Information

1. Press and hold the Power Button for a few seconds to power on the **PhotoBank**.
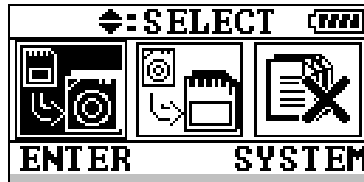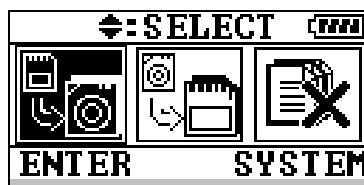

2. Press the **Exit Button** to show the system information

Copying Files from Memory Card to PhotoBank

1. Press and hold the **Power Button** for a few seconds to power on the **PhotoBank**.
2. Insert the memory card into the **PhotoBank**.
3. Press the **Select Button** until the first icon is selected and then press the **Enter Button**.

4. Press the **Select Button** to select the memory card slot and then press the **Enter Button**.

5. Press the **Enter Button** to continue.

6. During the data transfer from a memory card to the HDD, please do not remove the memory card until the procedure has completed.

(All files in the memory card will be transferred to the HDD in separated and numerical folders, such as "HDD:\SD\00000001", "HDD:\SD\00000002", "HDD:\MMC\00000001",

etc.)

7. Transfer is complete.
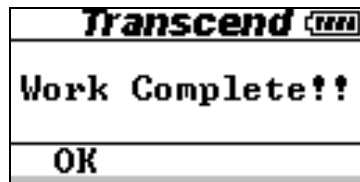
*To power off the **PhotoBank**, press and hold the **Power Button** for a few seconds until the LCD turns off.
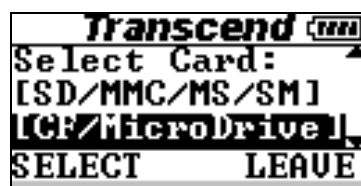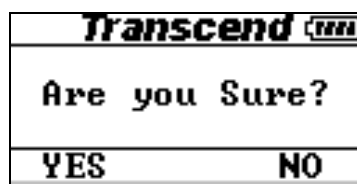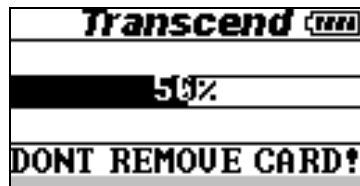
Copying Files from PhotoBank to Memory Card

1. Press and hold the **Power Button** for a few seconds to power on the **PhotoBank**.
2. Insert the memory card into the **PhotoBank**.
3. Press the **Select Button** until the second icon is selected and then press the **Enter Button**.

4. Select the folder (by memory card) in the HDD you want to transfer from and then press the **Enter Button**.   (The procedure will copy all files in the folder.)
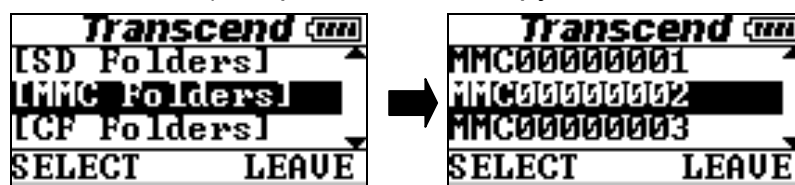
5. Select the memory card you want to transfer the data to and then press the **Enter Button**.


6. Press the **Enter Button** to continue.
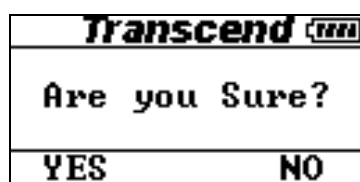
7. During data transfers from the HDD to the memory card, please do not remove the memory card until the procedure has completed. (All files in the folder will be transferred to the memory card in the root directory using the same folder name.)
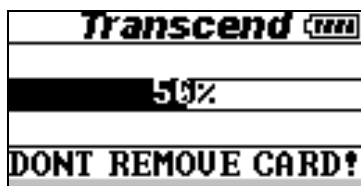
8. Transfer is complete.
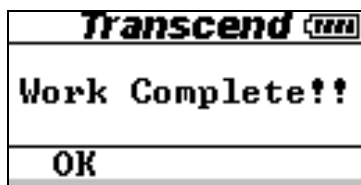
Erasing the Memory Card

1. Press and hold the **Power Button** for a few seconds to power on the **PhotoBank**.
2. Insert the memory card into the **PhotoBank**.
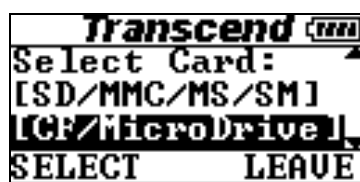3. Press the **Select Button** until the third icon is selected and then press the **Enter Button**.

4. Select "Delete Card" and then press the **Enter Button**.
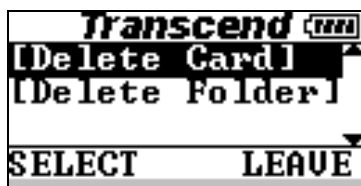
5. Press the **Select Button** to select which card you want to delete and then press the **Enter Button**.
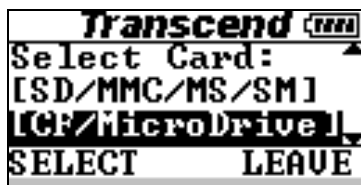
6. Press the **Enter Button** to continue.
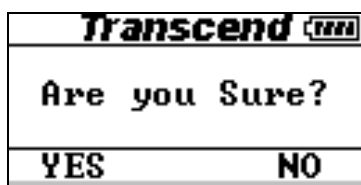
7. When deleting all the data from the memory card, please do not remove the memory

card before the procedure is complete.

Transcend 📷
50%
DONT REMOVE CARD!

8. Work is complete.

Transcend 📷
Work Complete!!
OK
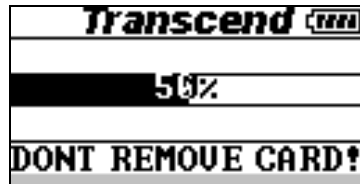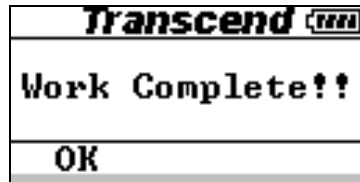
Deleting Folders in Photo Bank

1. Press and hold the **Power Button** for a few seconds to power on the **PhotoBank**.
2. Press the **Select Button** until the third icon is selected and then press the **Enter Button**.

♦:SELECT 📷
**ENTER   SYSTEM**

3. Select "Delete folder" and then press the **Enter Button**.

Transcend 📷
[Delete Card]
[Delete Folder]
SELECT   LEAVE
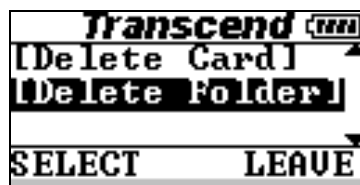
4. Select the folder you want to delete and then press the **Enter Button**.
   (SD / MMC / MS / SM or CF)

Transcend 📷
[SD Folders]
[MMC Folders]
[CF Folders]
SELECT   LEAVE

➡

Transcend 📷
MMC000000001
MMC000000002
MMC000000003
SELECT   LEAVE

5. Press the **Enter Button** to continue.

Transcend 📷
Are you Sure?
YES   NO
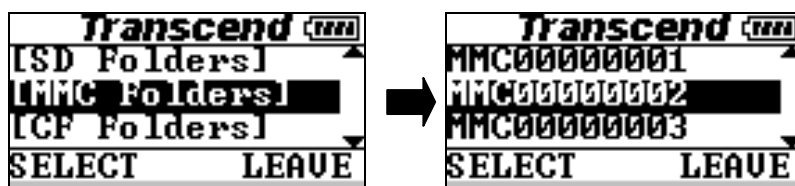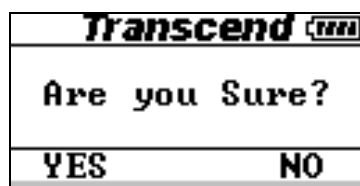
6. When deleting a folder from the memory card, please do not remove the memory card before the procedure is complete.

Transcend 50%
DONT REMOVE CARD!

7. Deletion complete.

Transcend Work Complete!!
OK
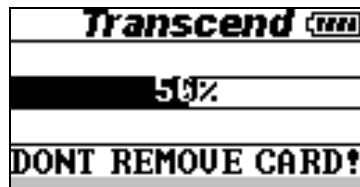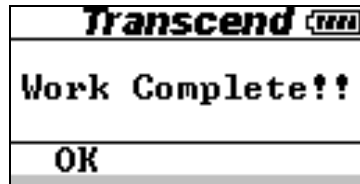
Charging the Battery

PhotoBank uses a high capacity Li-ion rechargeable battery (2200mAh). To charge the battery, please plug the AC adapter (Output Power: DC 5V 2A) to the **Power DC Jack**. While the battery is charging, the **LCD Screen** will display the charging percentage. It takes approximately 4 hours to completely recharge the battery.

Using the AC Adapter

Configuration Instructions

North America

1. Slide down the latch found on the back of the adapter, and PLUG A will release. Ensure that the plug locks into a 90 angle. (See chart for applicable countries.)

2. Insert PLUG A into the wall outlet to begin charging.
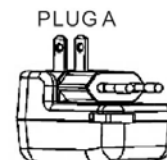
PLUG A

Oceania

1. Slide down the latch found on the back of the adapter, and PLUG A will release. Ensure that the plug locks into a 90 angle.

2. Twist the left prong in a clockwise motion and twist the right prong in a counterclockwise motion until they are both in a 45 angle. (See chart for applicable countries.)

PRESS
Latch
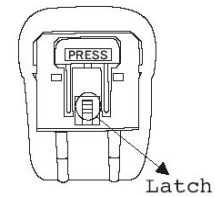
3. Insert PLUG C into the wall outlet to begin charging.

PLUG C
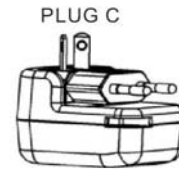
Europe / Asia

1. Grasp PLUG B and lift it up until it locks into a 90 angle. (See chart for applicable countries.)

PLUG B

2. Insert PLUG B into the wall outlet to begin charging.
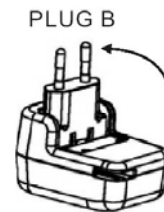
United Kingdom

1. Grasp PLUG B and lift it up until it locks into a 90 angle.

2. Remove the UK Key found in the bottom left corner on the backside of adapter.

PLUG D

3. Insert the UK Key into the ground socket of the electrical outlet to open the two top power sockets. (See chart for applicable countries.)

4. Insert PLUG D into the wall outlet to begin charging.

UK Key
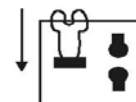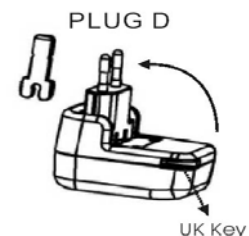
Adapter Configuration by Country

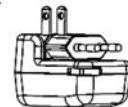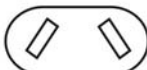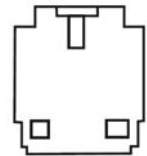| Country	Hz	Volt	Code	Country	Hz	Volt	Code	Country	Hz	Volt	Code	Socket	Plug
Oceania				Taiwan	60	110	A	Spain	50	127/220	A.B	A	A
Australia	50	240/250	C	Vietnam	50	120/220/230	A.B	Sweden	50	220	B		
Fiji	50	240	C	Middle East				Switzerland	50	220	B		
New Zealand	50	230	C	Iran	50	220	B.D	The Netherlands	50	220	B		
Tahiti	50	127	A	Irag	50	220	B.D	U.S.S.R	50	127/220	A.B		
Africa				Jordan	50	220	B.D	West Germany	50	220	B		
Egypt	50	220	B.D	Kuwait	50	240	B.D	Yugoslavia	50	220	B	B	B
Kenya	50	240	B.D	Saudi Arabia	50/60	127/220	A.B.D	North & South America					
Mauritius	50	230	B.D	Turkey	50	220	B	Alaska	60	120/240	A		
Morocco	50	115/127/220	B	U.A.E.	50	220/230/240	B.D	Argentina	50	220	B.D		
Nigeria	50	230	D	Europe				Belized	60	110/220	A.D		
R.S.A.	50	220/230/250	B.D	Austria	50	220	B	Bolivia	50	110/220	A.B		
Zambia	50	230	D	Belgium	50	127/220	B	Brazil	60	127/220	A.B		
Asia				Bulgaria	50	220	B	Canada	60	120	A.D		
Bangladesh	50	230	B	Czechoslovakia	50	220	B	Chile	50	220	B	C	C
Brunel	50	240	B.D	Denmark	50	220	B	Colombia	60	110	A		
Hong Kong	50	200	B	East Germany	50	127/220	B	Costa Rica	60	120	A.D		
India	50	230	B	England	50	240	C.D	Cuba	60	110	A.B.D		
Indonesia	50	127/230	B	Finland	50	220	B	Dominican Rep.	60	110	A		
Japan	50/60	100	A	France	50	127/220	B.C	El Salvador	60	115	A		
Korea	60	100/220	A.B.C	Greece	50	220	B	Guatemala	60	120	A		
Macao	50	115/127/220	B	Hungary	50	220	B	Mexico	60	125	A	D	D
Mainland China	50	110/200	A.B.C.D	Italy	50	127/220	B	Nisaragua	60	120	A		
Malaysia	50	240	D	Luxemburg	50	120/220	B	Panama	60	110/115/220	A		
Nepal	50	220	B	Malta	50	240	D	Paraguay	50	220	B		
Parkistan	50	220/230	B	Norway	50	220/230	B	Peru	60	220	A.B		
Philippins	50	115/200	A.B.C	Poland	50	220	B	Uruguay	50	220	B.D		
Singapore	50	230	D	Portugal	50	220	B	U.S.A.	60	120	A		
Thailand	50	220	A.B.D	Rumania	50	220	B	Venezuela	60	120	A		

Note: This sheet is for your reference based on the different continents, countries, and voltages. Please verify the plug configuration and voltage for the country before use.

Connecting to the Computer

Driver Installation for Windows 98/98SE

1. Power on the computer.   Verify the USB port is enabled and working properly.

    > ***Note:*** If you are using Windows 98/98SE, please don't connect your **Photo-Bank** to the computer before the driver is installed.

2. Insert the Driver CD into the CD-ROM drive.   Run the **Setup.exe** program located within the folder **D:\Driver\Win98** of the Driver CD (Where "D" is the CD-ROM drive letter).

3. The Setup Wizard will guide you through the installation process.   Select 'Next' to install the driver.

4. Select OK to complete driver installation and restart your computer.

5. Using the included USB cable, connect the **PhotoBank** to the computer.   Your computer will automatically detect the **PhotoBank** and install the files needed to use this device.

6.   The **PhotoBank** is now ready for use. You can find a new USB device in the Device Manager in the System Properties window.
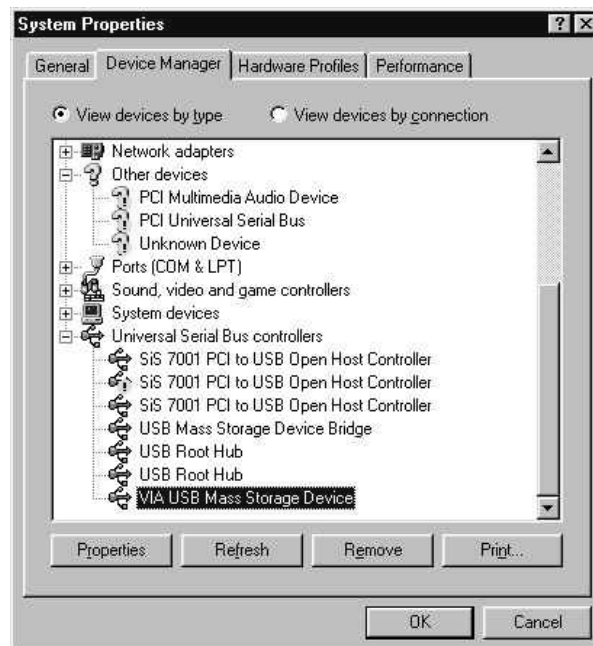
Disconnecting PhotoBank in Windows 98/98SE

1.   Locate the green arrow icon 🔌 in the system tray. Click the left button of your mouse on the icon.

2.   The **Stop USB Mass Storage Device** pop-up menu will appear.   Select to disconnect your **PhotoBank**.
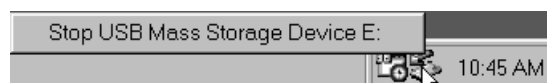
3.   An Information dialogue window will appear.   Select **OK** to continue.

4.   Your **PhotoBank** is now ready to be disconnected from your computer.

Uninstall Driver

To uninstall the driver for the **PhotoBank,** run **Add/Remove Programs** from the **Settings/Control Panel.** Please follow the on-screen instructions to complete the process.

Using in Windows Me/2000/XP

1. Power on the computer. Verify the USB port is enabled and working properly.

2. Using the included USB cable, connect the **PhotoBank** to the USB port of your computer. Your computer will automatically detect the **PhotoBank** and install the files needed to use this device.

3. Your **PhotoBank** is now ready for use. You can find a new USB device in the Device Manager in the System Properties window.
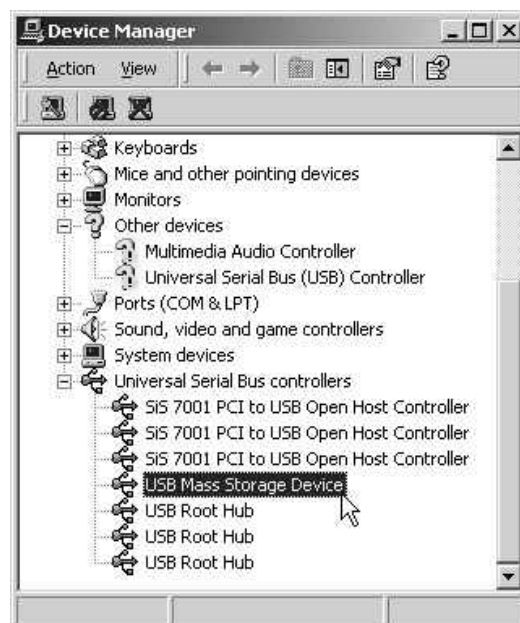
Disconnecting PhotoBank in Windows Me/2000/XP

1. Locate the green arrow icon 🖫 in the system tray. Click the left button of the mouse on the icon.

2. The **Stop USB Mass Storage Device** pop-up menu will appear. Select to disconnect your **PhotoBank**.

Stop USB Mass Storage Device - Drive(E:)

4:07 PM
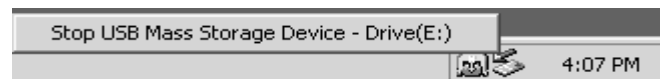
3. The **Safe To Remove Hardware** window will appear.　Select **OK**.

Safe To Remove Hardware ☒

ℹ The 'USB Mass Storage Device' device can now be safely removed from the system.

OK

4. Your **PhotoBank** is now ready to be removed.

Note: If you don't follow the above steps to remove the **PhotoBank** in Windows 2000, the **Unsafe Removal of Device** message will appear.

Unsafe Removal of Device ? ☒

⚠ You have unplugged or ejected a device without stopping it. Unplugging or ejecting devices without first stopping them can often cause your computer to crash and lose valuable data.

To safely unplug or eject any of the following devices, first use the Hardware wizard in the Control Panel to stop the device.

USB Mass Storage Device
IC25N020 ATCS05-0 USB Device

If you frequently need to unplug this device, Windows can give you an icon on the taskbar to quickly unplug or eject your device. If you would like to use this option, check the following:

☑ Show Unplug/Eject icon on the taskbar.

2:01 PM

OK

Using the PhotoBank in Mac OS

1.　Complete the hardware setup.　Drivers are not required for the Mac.

2.　Using the included USB cable, connect the **PhotoBank** to your Mac. A disk icon will appear on the desktop.　You may use this device as if it were a Mac Hard Disk.

3. If you want to remove the **PhotoBank**, you must first drag and drop the corresponding disk icon into the trashcan.   After the disk icon disappears, you can disconnect the **PhotoBank**.
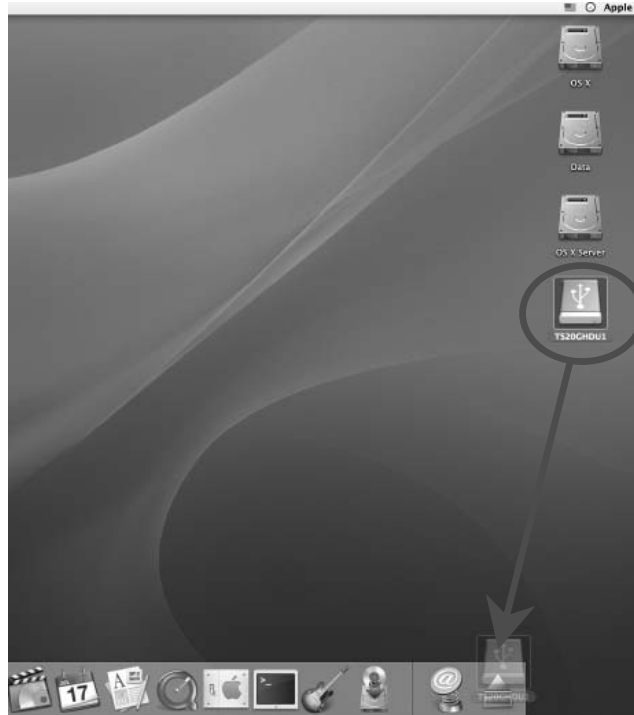
Changing the Battery

1. Remove the screw and then the battery cover.
2. Unplug the battery wire from the connector.
3. Replace the battery.
4. Reattach the battery cover.   Insert the screw to secure the battery cover.

Updating the Firmware

Setup the Firmware Upgrade Tool

1. Power on the computer. Verify the USB port is enabled and working properly
2. Insert the Driver CD into the CD-ROM drive. Run the **Setup.exe** program located within folder "**D:\Firmware\Upgrade**" of the Driver CD (Where "D" is the CD-ROM drive letter).
3. The Setup Wizard will guide you through the installation process. Select 'Next' to install the upgrade tool.

4. Select "**Finish**" to complete the Firmware Upgrade Tool installation.
5. Select the **Firmware Upgrade Tool** icon from "Start menu → Programs → Transcend → fwupg".
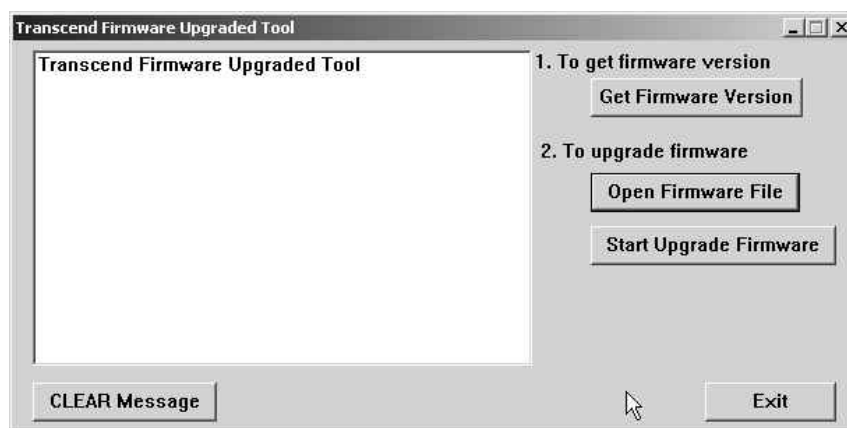
6. Select "**Open Firmware File**" to select the ROM file.
7. Select "**Start Upgrade Firmware**" to start upgrade firmware.

Note: The Firmware Upgrade Tool supports the following operating systems:
- Windows® 2000
- Windows® XP

Uninstall the Firmware Upgrade Tool

To uninstall the Firmware Upgrade Tool, run **Add / Remove Programs** from the **Settings / Control Panel**.　Please select the **TRANSCEND Platform Device Manager** and follow the on-screen instructions to complete the process.
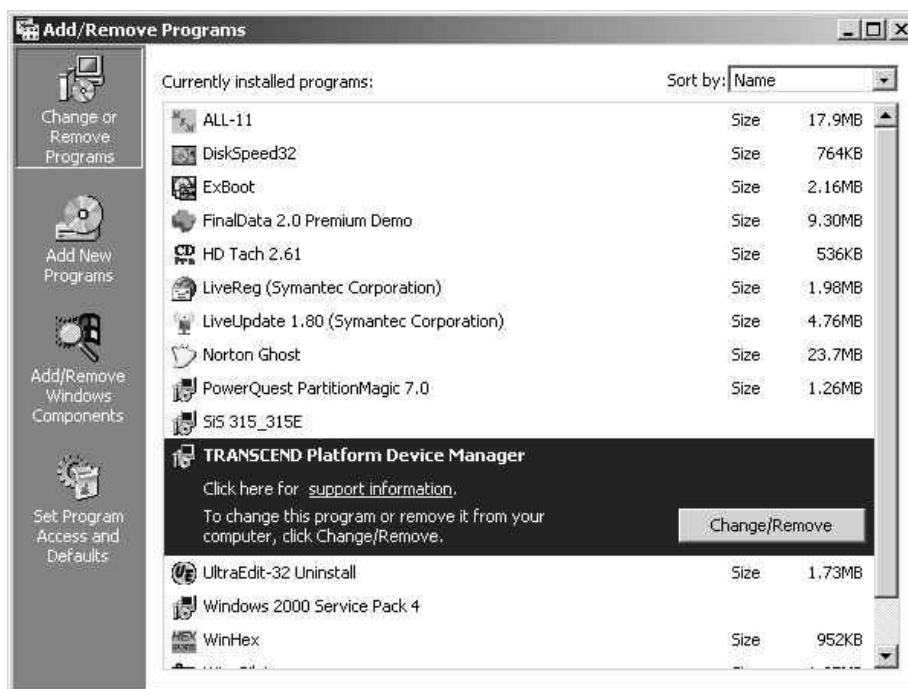
Troubleshooting

WARNING

Do not try to open the case of the PhotoBank else you will void the warranty.   If a fault occurs, check the points listed below first.   If you are unable to solve the problem with this information, please consult your dealer or service center.

Q: While copying data from memory card to HDD or reversely, the **PhotoBank** always displays "Operation Error".

A: The memory card might be unformatted or damaged.   Use your digital camera to format the memory card to verify if the memory card is good.

Q: Under Windows, there are two removable drives, but the memory card can't read/write via the **PhotoBank**.

A: The memory card might be unformatted or damaged.   Use your digital camera to verify if the memory card is good.   The memory card might need to be re-formatted.

Q: PhotoBank can't boot in standalone mode.

A: You might have reformatted the HDD with the wrong format.   **PhotoBank** can only operate in the FAT32 format.   You must connect the **PhotoBank** to the computer and reformat the HDD using the FAT32 format.

Q: Windows 98 can't setup the **PhotoBank** properly.

A: Under Windows 98, the "New Hardware Install Wizard" does not find a suitable driver in the CDROM.   It is because the **PhotoBank** has been connected to the computer before installing the driver and Windows 98 has installed the wrong driver.   You should disconnect the **PhotoBank** from the computer, uninstall the wrong driver, install the correct driver from CDROM, and then connect your **PhotoBank** to the computer.

Q: Mac OS can recognize 2 removable drives, but the HDD can't be detected.

A: This might because you have formatted the HDD with NTFS format.   Mac OS can't recognize this format.   This will also cause the **PhotoBank** not to boot in standalone mode.   You must connect the **PhotoBank** to a computer using a Microsoft Windows OS and reformat the HDD using the FAT32 format.

Q: The **PhotoBank** hangs/lags/stalls.

A: Whenever the **PhotoBank** hangs, you can press the Reset button to reboot the **PhotoBank**.

Warning

Any unauthorized attempt to disassemble the PhotoBank will void the limited warranty.

Specifications

Power Supply ·························	DC 5V from USB port
	5V / 2A AC Adapter
	Li-ion rechargeable battery (2200mAh)
Storage media ····················	1.8" HDD
Slots for memory cards ········	1. CF Card Type I / II
	2. SM/MMC/SD/MS
LCD Indicators ···················	Black and White with blue back light
Operating Temperature ·········	$5°C – 60°C$
Storage Temperature ············	$-40°C – 70°C$
Humidity ···························	8% – 90% RH
Emission / Safety ················	FCC Class B, CE, BSMI
Dimensions ·······················	110mm x 85mm x 22mm
Weight ····························	235g / 247g (20GB / 40GB)

Ordering Information

HDD Capacity	Transcend P/N
20GB	TS20GPB
40GB	TS40GPB

	Transcend P/N
LI-ION Battery	10-9040

PhotoBank Limited Warranty

"Above and beyond" is the standard we set ourselves for customer service at Transcend.   We consistently position ourselves to be significantly above the industry norm.   It's all part of our commitment to Customer Satisfaction.

All Transcend Information, Inc. (Transcend) products are warranted and tested to be free from defects in material and workmanship and to conform to the published specifications. During the warranty period should this Transcend PhotoBank fail under normal use in the recommended environment due to improper workmanship or materials, Transcend will repair the product or replace it with a comparable one. This warranty is subject to the conditions and limitations set forth herein.

Duration of Warranty: Transcend PhotoBank is covered by this warranty for a period of two (2) years and the Li-ion battery is covered by this warranty for a period of six (6) months from the date of purchase. Proof on the date of purchase is required. Transcend will inspect the product and make the decision for repair or replacement. Transcend reserves the right to provide a functionally equivalent refurbished replacement product.

Limitations: This warranty does not apply to product failure due to accident, abuse, mishandling, improper installation, alteration, acts of nature, improper usage, or problems with electrical power. Transcend products must be used with devices that conform to the recommended industry standards. Transcend will not be liable for damages resulting from a third party device that causes the Transcend product to fail. Transcend shall in no event be liable for any consequential, indirect, or incidental damages, lost profits, lost business investments, lost goodwill, or interference with business relationships as a result of lost data. Transcend is also not responsible for damage or failure of any third party equipment, even if Transcend has been advised of the possibility. This limitation does not apply to the extent that it is illegal or unenforceable under applicable law. Transcend does not perform any data recovery services when the hard drive is defective.

Disclaimer: The foregoing limited warranty is exclusive. There are no other warranties, including any implied warranty of merchantability or fitness for a particular purpose. This warranty is not affected in any part by Transcend providing technical support or advice.

Online Registration: To expedite warranty service, please register your Transcend Product within 30 days of purchase.

Register online at **http://www.transcendusa.com/registration**.

Transcend

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www.transcendusa.com

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